

Title (en)

SPLIT HOOK FASTENER

Title (de)

SPALTHAKENBEFESTIGUNGSELEMENT

Title (fr)

FERMETURE A AGRAFES FENDU

Publication

EP 1696760 A1 20060906 (EN)

Application

EP 04796631 A 20041028

Priority

- US 2004035788 W 20041028
- US 74500203 A 20031223

Abstract (en)

[origin: US2005132544A1] The present invention provides a method for forming preferably a unitary polymeric hook fastener comprising a flexible backing, and a multiplicity of spaced hook elements projecting from the upper surface of the unitary backing. The hook elements each comprise a stem portion attached at one end to the backing, and a head portion at the end of the stem portion opposite the backing. The head portion projects in different directions for some adjacent hook members which adjacent hook members each have a flat face which flat faces are mutually opposing in face to face relation.

IPC 8 full level

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Citation (search report)

See references of WO 2005067756A1

Cited by

EP4378344A1; DE102022131979A1

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DOCDB simple family (publication)

US 2005132544 A1 20050623; AR 046470 A1 20051207; AT E444003 T1 20091015; BR PI0417997 A 20070427; CN 1897841 A 20070117;
DE 602004023421 D1 20091112; EP 1696760 A1 20060906; EP 1696760 B1 20090930; JP 2007516036 A 20070621;
KR 20060128917 A 20061214; MX PA06006891 A 20060904; RU 2006121343 A 20080127; TW 200531650 A 20051001;
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